



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

USDA, NASS, Kentucky Field Office
PO Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, Director

Released weekly April - November

Issued 4:00 P.M., July 30, 2007

KBM 19-07

AGRICULTURAL NEWS: Widespread rains swept across Kentucky on the 26th and 27th. With the exception of many western areas, most counties received some of the welcome rain. Much more rain is needed statewide to benefit crops and creeks. **Topsoil moisture** was rated 23 percent very short, 42 percent short, 34 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated 35 percent very short, 38 percent short, 26 adequate, and 1 percent surplus. Days suitable for fieldwork averaged 5.8 days out of a possible 7 days. Farm activities last week included baling hay, topping tobacco, and spraying soybeans and tobacco.

TOBACCO: There was some improvement in tobacco condition last week with 5 percent very poor, 11 percent poor, 27 percent fair, 45 percent good, and 12 percent excellent. Disease and insect pressure has been minimal. As of Sunday, July 29, 42 percent of the burley tobacco was blooming or beyond, behind last year's 55 percent and the five year average of 51 percent. Twenty-one percent of the burley had been topped, behind both last year's 33 percent and the five year average of 27 percent. Sixty-three percent of the dark tobacco has been topped, ahead of last year and average at 55 percent and 54 percent, respectively.

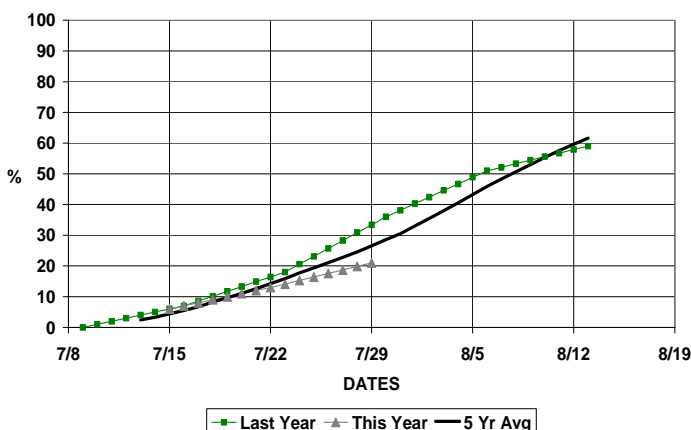
CORN: Crop condition for corn improved some with the recent rains and was rated 6 percent very poor, 8 percent poor, 25 percent fair, 35 percent good, and 26 percent excellent. Ninety-one percent of the corn has silked or was silking as of Sunday, July 29, the

same as last year, but slightly ahead of the five year average of 89 percent. Fifty-six percent was in the milk stage or beyond, behind 65 percent for a year ago and the five year average of 62 percent. Thirty-two percent was in the dough stage or beyond, behind both last year and the five year average of 35 percent. Twelve percent of the corn acreage was in the dent stage, which was tied with the five year average, but slightly behind the 14 percent for the previous year.

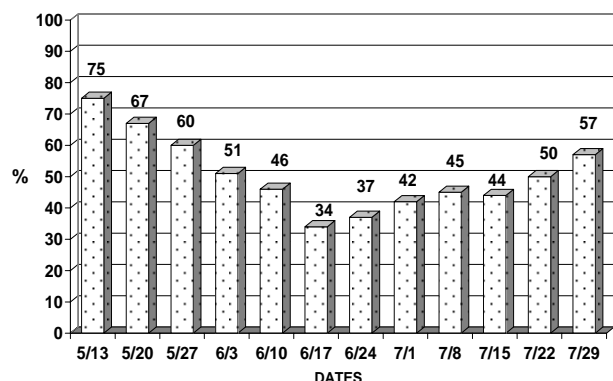
SOYBEANS: Thirty-six percent of the soybeans were setting pods, just ahead of last year's 34 percent and the five year average of 31 percent. These soybeans will need more rain during this critical stage of development for adequate pod-fill. As of Sunday, July 29, 66 percent of soybeans were blooming, ahead of last year's 61 percent and the five year average of 56 percent. Overall, the soybean crops benefited slightly from the added moisture with 3 percent very poor, 8 percent poor, 20 percent fair, 40 percent good, and 29 percent excellent.

OTHER CROPS: Hay condition improved significantly, but remains in mostly poor to fair condition, with 20 percent very poor, 33 percent poor, 31 percent fair, 14 percent good, and 2 percent excellent. Pastures have not fared well this summer. Despite the recent, much needed showers, pastures need more moisture to recover. The pasture condition was rated as 20 percent very poor, 32 percent poor, 30 percent fair, 15 percent good, and 3 percent excellent.

BURLEY TOBACCO PERCENT TOPPED



**BURLEY TOBACCO CONDITION
% Good to Excellent**



KENTUCKY CROP PROGRESS

WEEK ENDING JULY 29, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	66	61	56	57	75
Setting Pods	36	34	31	27	30
Corn					
Silking	91	91	89	89	78
Milk Stage	56	65	62	47	NA
Dough Stage	32	35	35	20	14
Dent Stage	12	14	12	NA	NA
Burley Tobacco					
Blooming	42	55	51	27	NA
Topped	21	33	27	13	NA
Dark Tobacco					
Topped	63	55	54	42	NA

(NA)Data Not Available.

SOIL MOISTURE

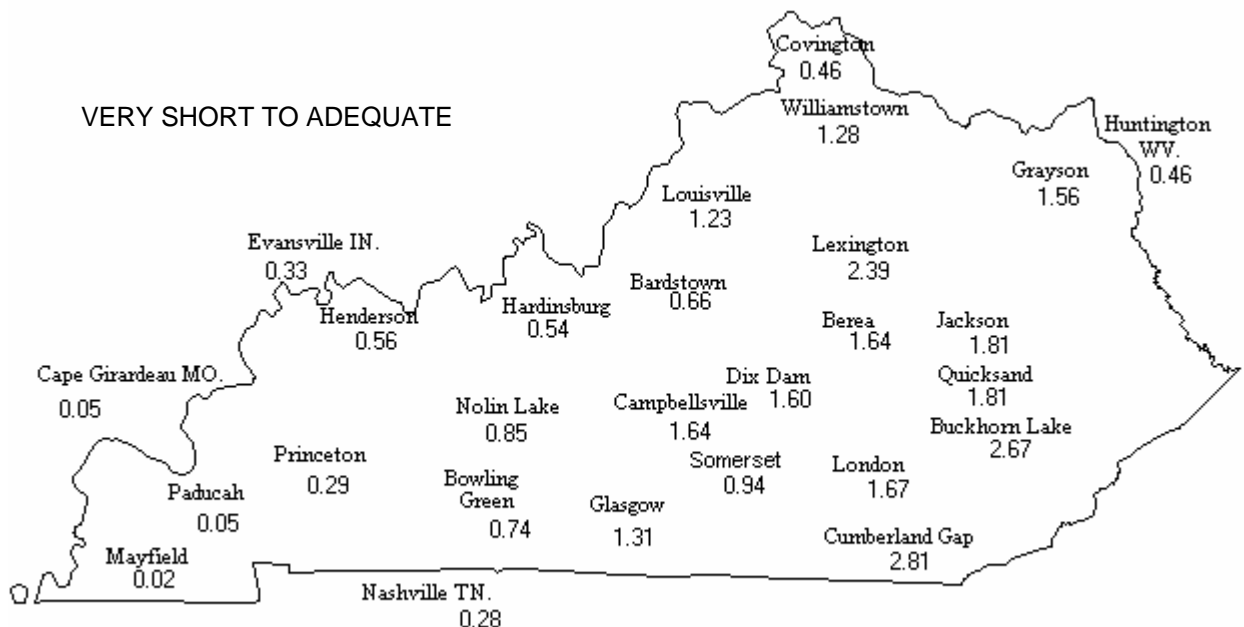
WEEK ENDING JULY 29, 2007

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	23	21
Short	42	40
Adequate	34	38
Surplus	1	1
SUBSOIL		
Very Short	35	42
Short	38	35
Adequate	26	23
Surplus	1	0

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JULY 29, 2007						WEEK ENDING JULY 22, 2007				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	6	8	25	35	26	7	10	24	36	23
Soybeans	3	8	20	40	29	5	6	23	39	27
Pasture	20	32	30	15	3	25	33	26	15	1
Hay Crops	20	33	31	14	2	29	32	29	9	1
Tobacco	5	11	27	45	12	6	16	28	38	12

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION WEEK ENDING JULY 29, 2007



KENTUCKY WEATHER SUMMARY, JULY 23 – 29, 2007:

Below Normal Temperatures and Above Normal Rainfall:

It was mostly a cool week with only a day or two near 90 degrees in the west. Rainfall was limited for most of the workweek until late Thursday and Friday when widespread rainfall occurred for most locations except in the west. Rainfall for most of central, bluegrass and east areas was of low intensity and long duration, exactly what was needed to provide some long-term hydrologic drought relief in those sections of the State that needed it most due to large long-term rainfall deficits. Locally heavy rainfall of 3 to 4 inches occurred in the southeastern part of the State. The weekend was mostly cloudy and cool with lingering rainfall ending in the east. This was only the third week this growing season for above normal rainfall for the State as a whole.

Temperatures for the 7 day period averaged 72.6 degrees across the State which was 4.1 degrees below normal and 3.4 degrees cooler than the previous week. High temperatures averaged from 87 in the West to 83 in the East. Departure from normal high temperatures ranged from 3 degrees below normal in the West to 5 degrees below normal in the East. Low temperatures averaged from 64 degrees in the West to 64 degrees in the East. Departure from normal low temperature ranged from 3 degrees below normal in the West to 5 degrees below normal in the East.

Rainfall for the period totaled 1.48 inches statewide which was 0.48 inches above normal. Rainfall totals by climate division, West 0.25 inches, Central 1.24 inches, Bluegrass 2.01 inches and East 2.24 inches, which was -0.75, +0.27, +1.06 and +1.18 inches respectively from normal. By station, rainfall totals ranged from a low of 0.02 inches at Mayfield to a high of 2.81 inches at Cumberland Gap.

Tom Priddy

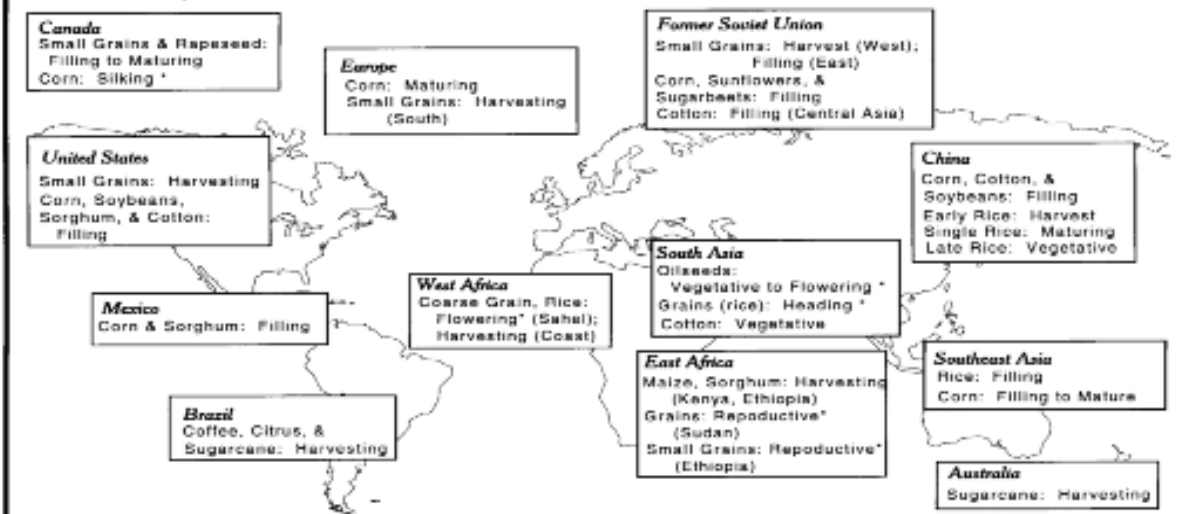
KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 29, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.66	12.51	2.74	-4.18	-1.78	88	56	73.9	-2	165	2280	+159
Berea	1.64	13.76	5.87	-3.39	+1.88	86	53	73.1	-2	160	2281	+100
Bowling Green	0.74	11.89	2.02	-5.97	-2.26	92	59	77.7	+2	185	2425	+214
Bristol	2.08	10.04	3.57	-4.74	-0.33	85	54	69.8	-6	137	2087	+86
Buckhorn Lake	2.67	10.07	4.78	-6.47	+0.41	87	58	74.4	-1	168	2276	+364
Cape Girardeau	0.05	10.57	2.15	-5.83	-1.05	93	54	75.5	-2	168	2376	+46
Campbellsville	1.64	17.31	5.72	-1.80	+0.87	87	58	74.3	-2	168	2287	+136
Covington	0.46	7.86	1.92	-7.98	-1.91	87	58	74.7	-1	171	2166	+196
Cumberland Gap	2.81	13.91	5.08	-4.17	+0.32	87	58	74.4	-1	168	2279	+308
Dix Dam	1.60	13.46	4.91	-3.81	+0.43	86	56	73.7	-2	165	2237	+116
Evansville	0.33	11.03	2.07	-5.01	-1.58	91	56	76.1	-2	175	2352	+142
Glasgow	1.31	16.36	6.23	-2.82	+1.43	90	59	76.4	+0	178	2402	+281
Grayson	1.56	10.86	3.58	-5.42	-0.81	86	57	72.4	-3	155	2191	+340
Hardinsburg	0.54	14.52	5.61	-2.91	+1.30	87	59	75.2	-1	174	2391	+180
Henderson	0.56	14.72	4.05	-1.71	+0.36	89	56	74.9	-3	169	2332	+92
Huntington	0.46	7.97	1.53	-8.20	-2.92	87	55	72.4	-3	155	2171	+171
Jackson	1.81	9.58	4.05	-7.73	-0.69	86	61	71.7	-4	150	2218	+306
Lexington	2.39	14.19	6.39	-2.50	+1.87	86	60	74.0	-1	166	2201	+201
London	1.67	12.69	3.52	-3.56	-0.78	86	59	73.4	-2	163	2238	+267
Louisville	1.23	13.82	4.01	-2.71	-0.06	87	58	74.1	-2	166	2252	+42
Mayfield	0.02	7.44	1.07	-10.19	-2.99	87	58	74.4	-3	168	2287	+15
Nashville	0.28	8.85	0.43	-7.68	-3.16	93	60	78.9	+3	187	2535	+175
Nolin Lake	0.85	16.87	4.75	-1.78	+0.19	90	59	76.3	+0	180	2416	+384
Paducah	0.05	13.53	2.11	-4.39	-1.67	91	56	76.6	-1	174	2415	+114
Princeton	0.29	12.22	1.66	-5.40	-2.21	92	56	76.6	-1	176	2465	+195
Quicksand	1.81	9.48	4.00	-7.83	-0.74	87	58	74.4	-1	168	2279	+367
Somerset	0.94	13.67	5.02	-4.56	+0.60	85	57	72.1	-3	153	2116	+54
Spindletop	2.20	13.99	6.90	-2.70	+2.38	84	59	72.6	-3	156	2151	+151
Williamstown	1.28	14.54	4.96	-2.03	+0.87	87	59	74.6	-1	171	2183	+183

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

August normal crop calendar

Summer crops



Winter crops



* Moisture / Temperature Sensitive Stage of Development

JOINT AGRICULTURAL WEATHER FACILITY (NOAA/USDA)

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.